NC/QC/BD/2020-21/3C-CB3 Date: 29-06-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Construction of CC road & RCC drain at cross roads of 3rd Cross roads and surrounding area at Kattigenahalli Village in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	22-06-20	29-06-20	07	22500	360	16.00	16.07
	002	"	"	"	"	355	15.78	
	003	"	"	"	"	370	16.44	

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/BD/2020-21/3C-CB4 **Date: 01-07-2020**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Construction of CC road & RCC drain at cross roads of 3rd Cross roads and surrounding area at Kattigenahalli Village in Ward No.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-06-20	01-07-20	07	22500	375	16.67	**16.74**
	002	‘’	“	‘’	“	385	17.11	
	003	‘’	“	‘’	“	370	16.44	

For Newzen Consultants Bangalore
Proprietor

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NC/QC/BD/2020-21/3C-CB1A

Date: 14-07-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of CC road & RCC drain at cross roads of 3rd Cross roads and surrounding area at Kattigenahalli Village in Ward No.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-06-20	14-07-20	28	22500	525	23.33	**22.96**
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	510	22.67	

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For Newzen Consultants Bangalore
Proprietor

NC/QC/BD/2020-21/3C-CB2A

Date: 17-07-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength)

{Project*: Construction of CC road & RCC drain at cross roads of 3rd Cross roads and surrounding area at Kattigenahalli Village in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-06-20	17-07-20	28	22500	515	22.89	**22.81**
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	525	23.33	

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For Newzen Consultants Bangalore

Director

NC/QC/BD/2020-21/3C-CB3A

Date: 20-07-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Construction of CC road & RCC drain at cross roads of 3rd Cross roads and surrounding area at Kattigenahalli Village in Ward No.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	22-06-20	20-07-20	28	22500	510	22.67	**23.04**
	002	"	"	"	"	525	23.33	
	003	"	"	"	"	520	23.11	

For Newzen Consultants Bangalore
Proprietor

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NC/QC/BD/2020-21/3C-CB4A Date: 22-07-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Construction of CC road & RCC drain at cross roads of 3rd Cross roads and surrounding area at Kattigenahalli Village in Ward No.05.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-06-20	22-07-20	28	22500	515	22.89	22.52
	002	"	"	"	"	495	22.00	
	003	"	"	"	"	510	22.67	

For Newzen Consultants Bangalore

Proprietor

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NC/QC/BD/2020-21/3C-W1 Date: 30-06-2020

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Construction of CC road & RCC drain at cross roads of 3rd Cross roads and surrounding area at Kattigenahalli Village in Ward No.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**97.35**	95-100
26.50	**---**	-
22.40	**71.20**	60-80
11.20	**54..90**	40-60
4.75	**31.45**	25-40
2.36	**23.10**	15-30
0.600	**19.05**	8-22
0.075	**3.70**	0-5

For Newzen Consultants Bangalore

Proprietor

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EMAIL:newzen576@gmail.com

Date: 30-06-2020

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**27.86%**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**28.34%**	Not more than 35.0 %
3.	Water absorption, %	**0.42 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

For Newzen Consultants Bangalore

Proprietor

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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NC/QC/BD/2020-21/3C-C3 Date: 06-07-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of CC road & RCC drain at cross roads of 3rd Cross roads and surrounding area at Kattigenahalli Village in Ward No.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**154 min**	Shall not be less than 30 min
2	Final setting time	**265min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.18%**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.04mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.74 N/Sq mm**	Shall not be less than 27 N/Sqmm

For Newzen Consultants Bangalore

Proprietor

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NC/QC/BD/2020-21/3C-PCC2 Date: 06-07-2020

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Construction of CC road & RCC drain at cross roads of 3rd Cross roads and surrounding area at Kattigenahalli Village in Ward No.05.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Byatarayanapura Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	68.15	0 -20	30- 70
10mm	29.65	0 -5	10- 35
4.75mm	3.80	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.60	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.90	60-95	75-100	85-100	
01.18	74.05	30-70	55-90	75-100	
600.mic	48.25	15-34	35-59	60-79	
300.mic	23.45	5-20	8-30	12-40	
150.mic	7.85s	0-10	0-10	0-10	

For Newzen Consultants Bangalore

Proprietor

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